

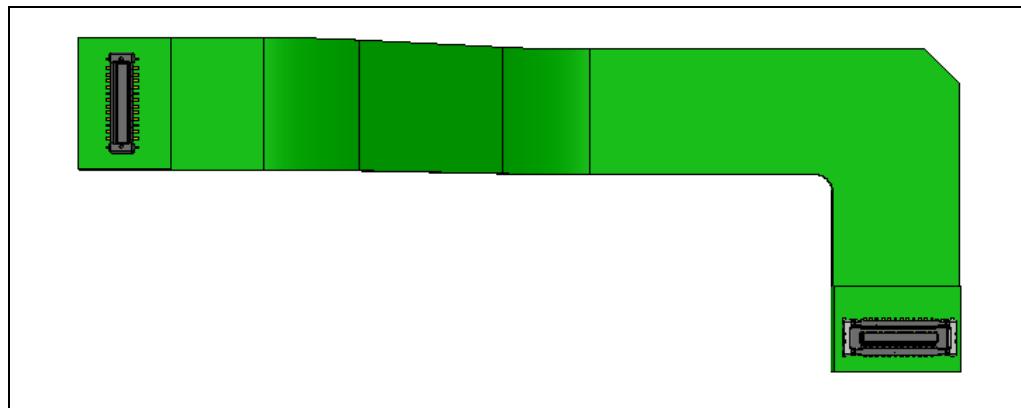
**Table 3-42. Tracking Module Receptacle Details (Vision Processor D4 Board USB Type-C)**

Parameter	Description	Diagram
Number of Contacts	50	
Product Name	NOVASTACK* 35-P Receptacle Assembly	
Part Number	20709-050E	
Manufacturer Website	www.i-pex.com	

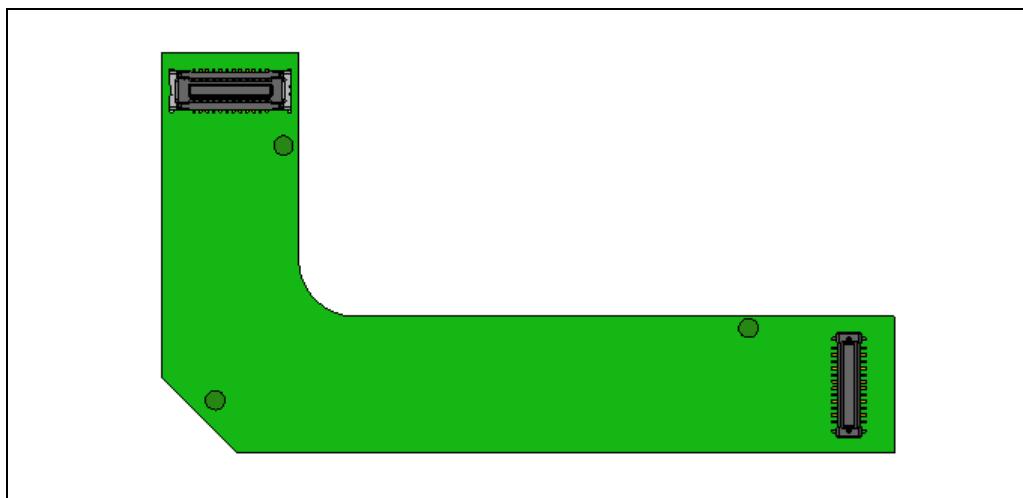
### 3.8.5 Tracking Module Flex and Rigid Interposer Interconnect

The Tracking module high speed flex or rigid interposer at one end has the 24 pin receptacle to connect into 24 pin plug on Tracking module and at the other end has the 24 pin plug to connect into 24 pin receptacle on Tracking Module Adapter. The high speed flex or rigid interposer is custom developed and procured by the system integrator.

**Figure 3-14. Tracking Module Flex Interposer (Illustration)**



**Figure 3-15. Tracking Module Rigid Interposer (Illustration)**



**Figure 3-16. Tracking Module Receptacle and Plug Connector Pin Position (Vision Processor D4 Board USB Type-C)**

52 (GND)	
VDD18V	2
INT1_ACC	4
INT3_GYRO	6
GVSYNC0	8
GVSYNC2	10
GVSYNC1	12
GND	14
OV72_MDP	16
OV72_MDN	18
GND	20
OV72_MCP	22
OV72_MCN	24
GND	26
NC	28
GND	30
OV27_MDP0	32
OV27_MDN0	34
GND	36
OV27_MCP	38
OV27_MCN	40
GND	42
OV27_MDP1	44
OV27_MDN1	46
GND	48
CAM_LED	50

1      BOOT0	
3	GVSYNC3
5	SWDIO
7	SWCLK
9	OV72_SCL
11	OV72_SDA
13	DVSYNC
15	OV72_SCL
17	OV72_SDA
19	OV72_RSTn
21	OV72_XCLK
23	GND
25	NC
27	VDD33V
29	RGB28V
31	VDD18V
33	RGB12V
35	RGB_STROBE
37	RGB_FSYNC
39	OV27_RSTn
41	XSHUTDN
43	OV27_XCL
45	GND
47	RGB_SDA
49	RGB_SCL



### 3.8.6 Tracking Module Adapter

Vision Processor D4 Board USB Type-C includes 50 pin Tracking Module receptacle with optional signals for a separate connection to external color sensor. Tracking Module itself includes 24 pin plug and hence connection to Tracking Module from Vision Processor D4 Board USB Type-C requires a Tracking Module adapter that translates 50 pin connection to a 24 pin connection with required Tracking Module signals. The adapter with 50 pin plug (20708-050E) would attach to Vision Processor D4 Board USB Type-C and to the Tracking Module Interposer with 24 pin Tracking Module receptacle (20709-024E)